

Species Tag:	54005	Species Name:	HOCl-37
Version:	3		Hypochlorous acid,
Date:	Jan. 1984		³⁷ Cl isotope
Contributor:	H. M. Pickett		

Lines Listed:	6925	Q(300.0)=	9689.470
Freq. (GHz) <	9999	Q(225.0)=	6290.716
Max. J:	60	Q(150.0)=	3422.946
LOGSTR0=	-7.9	Q(75.00)=	1211.156
LOGSTR1=	-8.0	Q(37.50)=	429.339
Isotope Corr.:	-0.611	Q(18.75)=	153.250
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	59.375
μ_a =	0.3627	A=	613461
μ_b =	1.471	B=	14850.441
μ_c =		C=	14472.895

The data and calculational method are given in H. E. Singbeil *et al.*, 1984, J. Mol. Spect. **103**, 466. The chlorine hyperfine structure is omitted at higher J since the splittings are generally smaller than the width of lower stratospheric lines. The maximum value of K in the calculation is 20.